Diagnostic Field Form ND Department of Commerce/DCS SFN 59251 (5/10)

Nam	е	DI A	OWED I	2001	D TEST D	1710	lob#	Date VER DOOR GUIDED AIR SEALING (WCEG)								
Tost	Conditions	DL	OWER L	JUUI					Pa				•	CEG)		
Test Conditions: Test					Baseline pressu CFM ₅₀				Г	-	ening Used: 0 CFM ₅₀ = \$					
Initial Test					OI 10150			No ii					Reduction Cost / 100 CFM			100 CFM ₅₀
Test 1								7.107.11	. 0,01	- minacoo	0,	11130 1	· · · · · · · · · · · · · · · · · · ·	<i>311</i> 00		100 01 11150
Test 2																
Test 3																
Test 4																
Test 5																
Final Test										Building	Γight	ness	Limit =			
ZONE PRESSURE TESTING (ZPT)																
Zone:					Test 1 Test 2			Zone:				Test 1			Test 2	
House/Zone, P ₁								House/Zone, P ₁								
Zone/Outside, P ₁								Zone/Outside, P ₁								
Hole Added				F	H/Z or Z/O H/Z or Z/O			Hole Added				H/Z d	or Z/O	H	I/Z or Z/O	
Hole in ² or Door-Open CFM ₅₀								Hole in ² or Door-Open CFM ₅₀								
House/Zone, P ₂								House/Zone, P ₂								
Zone/Outside, P ₂								Zone/Outside, P ₂								
CFM ₅₀ House/Zone								CFM ₅₀ House/Zone								
CFM ₅₀ Zone/Outside								CFM ₅₀ Zone/Outside								
CFM ₅₀ Total Path									CFM ₅₀ Total Path							
			KAGE	AIR HANDLER ASSESSMENT												
Room-to-Room Pressu					sure Testing Dears Test Test			Duct Leakage to Outdoors (Test at 25 Pasc		cals	Positive)	
#	Room	Test 1	Test 2	#	Room	1	2						Test 1			Test 2
1				6				Test pressure					Pa		-	Pa
2				7				1		sed (circle o	Open, 1, 2, 3		Op	pen, 1, 2, 3		
3				8				Fan pressure					Pa			Pa
				9				Fan flow (leakage to outdoors)				CFM			CFM	
House to Outside pressure: If a room is more than 3 Pascals different from main body of house, relieve									Inches ² leakage to outdoors					in ²		in ²
pressure.							CFM leakage as percentage of				e of		%		%	
Does a fireplace or woodstove draw any portion of its combustion air from a zone that is depressurized more than -3 Pascals WRT outside? If so, relieve pressure.									conditioned floor area							
		TESTING	LEAF	KAGE ASSESSMENT					Pressure Pan Multipliers, M*							
#	Room	M*	Test 1	M*	Test 2	#	Ro	om	M*	Test 1	M*	Te	est 2	Pre Total	,	Post Total
1	Furnace					8										
2						9										
3						10										
4						11										
5						12										
6						13										
7						14										

Duct Leakage Standards (refer to Field Standards for details)

11921 Mobile Homes

- 1. If there is a belly return system in the mobile home, convert it to a living-space return system.
- 2. Inspect the duct work visually and then seal all penetrations in the duct trunk line, boots, and seal the ends of the duct run.
- 3. When the above duct sealing work is completed conduct a pressure pan test on all duct registers including the furnace plenum.
- 4 If the sum of the pressure pan readings is greater than either 6 or an average of .7 per register (whichever is higher), the furnace plenum and branch ducts must also be accessed and sealed.
- 5. If the sum of the pressure pans readings is either 6 or an average of .7 per register (whichever is higher), or less and all penetrations in the duct trunk line (boots, end of trunk line, visible penetrations) with the exception of the furnace plenum connection, the task may be considered acceptable.
- 6. The duct blaster may also be used to test the duct work. If this procedure is used, the task may be considered complete if the cfm leakage to the outside (measured at 25 pa) is less that 7% of the total floor space. (Example; if a mobile home is 14X66, the area is 924 sq. ft. The duct blaster reading must be less than 7% of the floor area of 924, or 64.7 cfm)
- 7. The ideal leakage is 0 pa and 0 cfm leakage to the outside. The above is only the acceptable limits. We should strive to reduce all leakage as much if possible.

11922 Site-Built Homes, Including Manufactured Housing

- 1. For ducts located in unconditioned spaces:
 - a)Try to convert or alter space so that it is conditioned. If it cannot be converted continue with b & c: b) Use duct blower to determine duct leakage to outdoors: c) repair, seal, and insulate ducts to at least R-8: d) Goal is to reduce duct leakage to the outdoors, as measured with duct blower and blower door, to 7 percent of floor area.
- 2. For ducts located in conditioned spaces:
 - a) Always repair disconnected ducts: b) preferred to seal and insulate space envelope rather than ducts: c) perform zone pressure diagnostics on space (house-to-zone pressure should be 20 Pascals or less).